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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,797	03/18/2004	Zhan He	Reveo-0136USAAON00	5603
7590	09/20/2005		EXAMINER	
REVEO, INC. 85 Executive Boulevard Elmsford, NY 10523			VU, JIMMY T	
			ART UNIT	PAPER NUMBER
			2821	
DATE MAILED: 09/20/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/803,797

Applicant(s)

HE ET AL.

Examiner

Jimmy T. Vu

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 29-48 and 58 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 29,30,32-38 and 58 is/are rejected.
- 7) ☒ Claim(s) 31 and 39-48 is/are objected to:
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Claims 29-48 and 58 in the reply filed on 07/06/2005 is acknowledged. A complete reply to the final rejection must include cancellation of nonelected claims or other appropriate action (37 CFR 1.144) See MPEP § 821.01.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 29, 30, 32-38 and 58 are rejected under 35 U.S.C. 102(b) as being anticipated by Pope (U.S. Patent number 6,218,774 B1)

Regarding claim 29, Pope discloses a polarized light source comprising a member (230) of the group consisting of an organic electroluminescent device (231), said organic electroluminescent device including a mixture of a cholesteric liquid crystal material and an organic electroluminescent material, and an organic photoluminescent device (232), said photoluminescent device including a mixture of a cholesteric liquid crystal material (233) and an organic photoluminescent material (234) (Figs. 10-14, col. 17, lines 65-67, col. 18, lines 1-65).

Regarding claim 30, Pope discloses a polarized light source wherein said organic electroluminescent device further includes a cathode and an anode layer (Fig. 11, col. 18, lines 1-65).

Regarding claim 32, Pope discloses a polarized light source wherein said cholesteric liquid crystal material is bipolar (Fig. 11).

Regarding claim 33, Pope discloses a polarized light source wherein said cholesteric liquid crystal material has a constant pitch (Fig. 11).

Regarding claim 34, Pope discloses a polarized light source further comprising a cholesteric liquid crystal polarizing device superposed with said organic electroluminescent device (Fig. 11).

Regarding claim 35, Pope discloses a polarized light source wherein said anode layer is disposed on a transparent substrate (Fig. 11).

Regarding claim 36, Pope discloses a polarized light source wherein said anode layer is indium tin oxide (ITO) and said transparent substrate is glass (Fig. 11, col. 18, lines 50-60).

Regarding claim 37, Pope discloses a polarized light source wherein said transparent substrate is disposed on a cholesteric liquid crystal polarizing device, said cholesteric liquid crystal polarizing device being disposed on another transparent substrate (Fig. 11).

Regarding claim 38, Pope discloses a polarized light source wherein said cholesteric liquid crystal material has a pitch distribution (Fig. 11).

Regarding claim 58, Pope discloses a polarized light source comprising:

a cholesteric liquid crystal polarizing means (231); and
means (232) for providing an unpolarized light source, said means for providing an unpolarized light source being a member of the group consisting of an organic electroluminescent device (233) and an organic photoluminescent device (234) (Figs. 10-14, col. 17, lines 65-67, col. 18, lines 1-65).

Allowable Subject Matter

3. Claims 31 and 39-48 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

None of the prior art teaches the polarized light source wherein said cholesteric liquid crystal material is further mixed with a conducting polymer, said conducting polymer being a member of the group comprising poly(para-phenylene vinylene); poly(N-vinyl-carbazole); 2-(4-biphenyl)-5-(4-tert-butylphenyl)-1,3,4-oxadiazole; 2,5-bis(5-tert-butyl-2-benzoxazolyl)thiophen; triphenyldiamine; tris-(8-hydroxyquinoline); mixtures thereof, and the like.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jimmy T Vu whose telephone number is (571) 272-1832. The examiner can normally be reached on M - F: 9 - 6:00.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2800.

Jimmy Vu

September 13, 2005


WILSON LEE
PRIMARY EXAMINER